

AMENDMENTS TO THE CLAIMS

A complete listing of the claims is provided below. This listing of claims will replace all prior versions and listings of claims in the application:

1-39 **(Cancelled)**

40. **(Currently Amended)** An ultrasonic blade comprising:
a blade body defined about a body axis extending between a first side and a second side of said blade body;
a first surface having a first curve about a first surface axis, said first surface extending continuously from said first side to said second side of said blade body;
a second surface having a second curve about a second surface axis, said second surface extending continuously from said first side to said second side of said blade body; and
a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion.

41. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.

42. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.

43. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the curved portion is defined by a radius of about 0.04 inches.

44. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the blade body is comprised of a metal.

45. **(Previously presented)** The ultrasonic blade according to claim 44, wherein the blade body is comprised of a high speed steel.

46. **(Previously presented)** The ultrasonic blade according to claim 44, wherein the blade body is comprised of a carbide steel.

47. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches.

48. **(Previously presented)** The ultrasonic blade according to claim 40, wherein the second surface is curved about the second surface axis with a radius of about 0.171 inches.

49. **(Currently Amended)** An ultrasonic blade for cutting a composite prepreg, the ultrasonic blade comprising:

a blade body defined about a body axis extending between a first side and a second side of said blade body;

a first surface having a first curve about a first surface axis, said first surface extending continuously from said first side to said second side of said blade body;

a second surface having a second curve about a second surface axis, said second surface extending continuously from said first side to said second side of said blade body; and

a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion, the curved portion crosses the body axis at a relatively distal point of the blade body, wherein the ultrasonic blade is configured to receive ultrasonic vibrational energy to cut the composite prepreg.

50. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.

51. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.

52. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the body axis, first surface axis and second surface axis substantially converge at a point.

53. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the curved portion is defined by a radius of about 0.04 inches.

54. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the blade body is comprised of a metal.

55. **(Previously presented)** The ultrasonic blade according to claim 54, wherein the blade body is comprised of a high speed steel.

56. **(Previously presented)** The ultrasonic blade according to claim 54, wherein the blade body is comprised of a carbide steel.

57. **(Previously presented)** The ultrasonic blade according to claim 49, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches and the second surface is curved about the second surface axis with a radius of about 0.171 inches.

58. **(Currently Amended)** An ultrasonic blade for cutting a titanium graphite composite, the ultrasonic blade comprising:

a blade body defined about a body axis extending between a first side and a second side of said blade body;

a first surface having a first curve about a first surface axis, said first surface extending continuously from said first side to said second side of said blade body;

a second surface having a second curve about a second surface axis, said second surface extending continuously from said first side to said second side of said blade body; and

a cutting edge on the blade body defined by the intersection of the first surface and the second surface, the cutting edge comprising a first straight portion connected to a second straight portion via a curved portion, the curved portion crosses the body axis at a relatively distal point of the blade body, wherein the ultrasonic blade is configured to receive ultrasonic vibrational energy to cut the titanium graphite composite.

59. **(Previously presented)** The ultrasonic blade according to claim 48, wherein the cutting edge is a substantially continuous profile spanning a width of the blade body.

60. **(Previously presented)** The ultrasonic blade according to claim 58, wherein the first straight portion and second straight portion are angled back towards the blade body at about 30° relative to a line perpendicular from the body axis.

61. **(Previously presented)** The ultrasonic blade according to claim 58, wherein the body axis, first surface axis and second surface axis substantially converge at a point.

62. **(Previously presented)** The ultrasonic blade according to claim 58, wherein the curved portion is defined by a radius of about 0.04 inches.

63. **(Previously presented)** The ultrasonic blade according to claim 58, wherein the first surface is curved about the first surface axis with a radius of about 0.171 inches and the second surface is curved about the second surface axis with a radius of about 0.171 inches.

64. **(New)** An ultrasonic blade comprising:

 a body having a longitudinally extending axis and a first side and a second side; and
 a first cambered surface and a second cambered surface on said body, each said cambered surface extending from said first side to said second side,
 said first and second cambered surfaces defining a cutting edge on said body having a first substantially straight blade portion on the first side of said body connected to a second substantially straight portion blade portion on the second side of said body by a curved blade portion to form a substantially continuous blade profile.